WHAT IS CLAIMED IS:

1.   A method for specifying a location for an object in a drawing program comprising:

obtaining a drawing in a drawing program;

5   obtaining one or more objects in the drawing program, wherein one or more of

the objects comprises a collection of one or more graphical elements;

defining an automatic location property for one or more of the objects,

wherein a value for the automatic location property is obtained from property data of

another object, area, or space.

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2.   The method of claim 1, wherein the automatic location property is part

of a property set definition attached to one or more of the objects.

3.   The method of claim 1, further comprising retrieving schedule data

15   from the automatic location property.

4.   The method of claim 1, wherein:

one or more of the objects comprises a door;

the automatic location property is used to create an automatic door number for

20   the door based on a space the door is located in or near.

5.   The method of claim 1, further comprising displaying a grip wherein a

position of the grip in the drawing determines the object, area, or space where

property data is obtained from.

6.   The method of claim 5, further comprising modifying the object, area, or space where property data is obtained from by moving the grip.

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7.   An apparatus for specifying a location for an object in a computer drawing program comprising:

(a)   a computer having a memory;

(b)   an application executing on the computer, wherein the application is

10   configured to:

(i)   obtain a drawing;

(ii)   obtain one or more objects, wherein one or more of the objects comprises a collection of one or more graphical elements; and

(iii)   define an automatic location property for one or more of the

15   objects, wherein a value for the automatic location property is obtained from property data of another object, area, or space.

8.   The apparatus of claim 7, wherein the automatic location property is part of a property set definition attached to one or more of the objects.

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9.   The apparatus of claim 7, wherein the application is further configured to retrieve schedule data from the automatic location property.

18

10.   The apparatus of claim 7, wherein:

one or more of the objects comprises a door;

the automatic location property is used to create an automatic door number for the door based on a space the door is located in or near.

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11.   The apparatus of claim 7, wherein the application is further configured to display a grip wherein a position of the grip in the drawing determines the object, area, or space where property data is obtained from.

10   12.   The apparatus of claim 11, wherein the application is further configured to modify the object, area, or space where property data is obtained from by moving the grip.

13.   An article of manufacture comprising a program storage medium 15 readable by a computer and embodying one or more instructions executable by the computer to perform a method for specifying a location for an object in an object-oriented computer drawing program, the method comprising:

obtaining a drawing in a drawing program;

obtaining one or more objects in the drawing program, wherein one or more of 20 the objects comprises a collection of one or more graphical elements;

defining an automatic location property for one or more of the objects, wherein a value for the automatic location property is obtained from property data of another object, area, or space.

19

14.   The article of manufacture of claim 13, wherein the automatic location property is part of a property set definition attached to one or more of the objects.

5   15.   The article of manufacture of claim 13, further comprising retrieving schedule data from the automatic location property.

16.   The article of manufacture of claim 13, wherein:

one or more of the objects comprises a door;

10   the automatic location property is used to create an automatic door number for the door based on a space the door is located in or near.

17.   The article of manufacture of claim 13, further comprising displaying a grip wherein a position of the grip in the drawing determines the object, area, or space

15   where property data is obtained from.

18.   The article of manufacture of claim 17, further comprising modifying the object, area, or space where property data is obtained from by moving the grip.